

**From:** [Sterling DeWilde](#)  
**To:** [Ortiz, Donna](#)  
**Cc:** [Rick Watson](#)  
**Subject:** Re: 3490 Koba Way Clas V Injection Well Reclassification Request  
**Date:** Wednesday, May 31, 2017 4:05:03 PM  
**Attachments:** [image002.jpg](#)  
[image001.jpg](#)  
[Details.pdf](#)  
[Layout.pdf](#)

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Donna,

Thank you for your comments.

I have attached a roughly red-lined copy of the Layout and Details of the system, Sheets C1 and C2, respectively. I believe that it will better illustrate the layout of the system and the owners intended method of eliminating the source of contamination from entering the system or the environment.

Let me give an outline, starting from the downstream end (outfall location, leach field) of the system and working upstream:

The leach field is connected to the one septic tank in the system by a single drain pipe. One pipe leads into the upstream end of the septic tank. That pipe branches upstream of the septic tank, between the septic tank and the concrete building foundation; one branch is all domestic wastewater and the other branch is all non-domestic wastewater.

One branch goes into the building foundation to a long drain pipe that runs the length of the building and picks up water from the toilets, sinks, and showers in all of the six garage bays. The other branch leads to the oil/water separator, which is poured into the concrete foundation. The oil/water separator has one pipe leading into it. That pipe runs deeper into the building foundation to another drain pipe that picks up water from all six of the garage bay floor drains.

Thus, by cutting and sealing the non-domestic floor drain pipe, upstream of the branch, the source of contamination entering the system or the environment will be eliminated.

The downstream end of the cut will be permanently sealed below grade with a cap to prevent domestic wastewater from seeping into the sub-soil strata upstream of the septic tank.

The upstream end of the cut will be extended above grade and permanently sealed with a cap to prevent any contamination from exiting the pipe and, also, to mark its location for future reference. The materials will consist of 4"-diametere ABS piping, connections, and a cap. Sealant will be ABS Oatey Medium Black ABS Cement, or other ABS cement sealant intended for permanent watertight union of ABS pipe and fittings.

The floor drains within the garage bays will remain sealed with removable watertight caps and tenants will be instructed that the drain system is inoperable and that the drains are not to be used and the seals are not to be removed.

In the future, when the owner's budget permits the venture, the owner may wish to connect to City wastewater facilities. In which case, the disposal of non-domestic wastewater from floor drains in the garage building may be permitted. That is a correction from my previous email in which I stated that the owner may submit plans to ADEC install an on-site non-domestic

wastewater holding tank to receive effluent from the floor drains. However, that is also an alternative course of action for the owner to consider.

I hope that this gives you better clarification to make your decision.

Contact me if you have questions.

Thank you,

On Wed, May 31, 2017 at 12:26 PM, Ortiz, Donna <[ortiz.donna@epa.gov](mailto:ortiz.donna@epa.gov)> wrote:

Mr. DeWilde,

Thank you for pointing out the clause that identifies the cutting of the sewer pipe. I am still a little confused regarding separation of the domestic usage (showers, sinks and toilets) with the shop floor drain usage. Can you please send me a schematic noting how the shop floor drains and the septic facilities are plumbed? Specifically, I'm looking for the separation of floor drains and domestic usage leaving the shops and tied into separate lines upstream of the septic tank. This is not clear on the 30-Nov-2015 drawings sent. Although the drawing does note a non-domestic wastewater effluent line upstream of the septic tank (page 1, C1), on page 2 I do not see a clearly labeled septic tank upstream of the domestic lines.

Thank you,

Donna

**From:** Sterling DeWilde [mailto:(b) (6)]  
**Sent:** Friday, May 26, 2017 1:58 PM  
**To:** Ortiz, Donna <[ortiz.donna@epa.gov](mailto:ortiz.donna@epa.gov)>  
**Cc:** Rick Watson <(b) (6)>; Alan & Lizzie Skinner  
(b) (6) >

**Subject:** Re: 3490 Koba Way Clas V Injection Well Reclassification Request

Donna,

Thank you for your notice.

Disconnection of the sewer pipe servicing the floor drains was outlined in the third bulleted item under SCHEDULE in the well reclassification request. The sewer line servicing the six floor drains in the garage building will be excavated upstream of where it joins the domestic wastewater line outside of the building, below grade. The sewer pipe will be cut and permanently capped at that location. This will eliminate the potential for wastewater from the floor drains entering the septic system. The terminated sewer pipe from the floor drains (upstream of the disconnection, will be extended to the surface outside of the building with a 90-degree bend. The purpose of extending the pipe above grade will be to mark its location. In the future, the owner may submit a request to ADEC to install a holding tank and connect it to the terminated pipe to receive the floor drains' waste to be disposed of at a permitted

site. Until then, the floor drains will remain capped with a watertight seal and the garage bays will be operating without the convenience of having floor drains.

Please contact me if you have a question.

Thank you,

On Fri, May 26, 2017 at 11:00 AM, Ortiz, Donna <[ortiz.donna@epa.gov](mailto:ortiz.donna@epa.gov)> wrote:

Mr. DeWilde,

Following my review of the Class V injection work plan I do have a few comments that need attention before the plan can be approved.

The inspector noted 3 bays with potential motor vehicle waste disposal floor drains:

Bay #6, Torquepaw Truck and Equipment Repair,

Bay #1, MTR Transmission (transmission repair), and

Bay #2, Polar Run Logging, with used oil, grease and transmission fluid noted within the shop.

In your work plan, only bays #6 and #1 are mentioned as potentially contaminating. Additionally, while there is a good description of the type of excavation and sampling planned, there is no mention of the actual closing (permanently) of the floor drains or disconnection from the class V well.

EPA cannot approve a closure plan, especially when conversion to sanitary is selected, when there is still a potential for the shop floors to allow motor vehicle waste to drain into the septic system.

Aside from the excavation and sampling of the current system, please describe the permanent disconnection from the shop floor drains to the septic system and describe how the waste will be handled in the future.

In the report there was mention of rubber caps placed over the drains in the shops. EPA considers drain caps as temporary as they can easily be removed and fluids discharged. Permanent closure involves sealing the drains with concrete or other permanent material and /or disconnecting the shop floor drains from the septic system altogether.

Please feel free to contact me with any questions regarding the review or comments.

Sincerely,

Donna

**From:** Sterling DeWilde [mailto:(b) (6)]  
**Sent:** Monday, May 15, 2017 5:44 PM  
**To:** Ortiz, Donna <[ortiz.donna@epa.gov](mailto:ortiz.donna@epa.gov)>  
**Cc:** Bellovary, Chris <[Bellovary.Chris@epa.gov](mailto:Bellovary.Chris@epa.gov)>; Rick Watson <(b) (6)>; Alan & Lizzie Skinner <(b) (6)>; Bear, Tonya (DEC) <[tonya.bear@alaska.gov](mailto:tonya.bear@alaska.gov)>  
**Subject:** Re: 3490 Koba Way Clas V Injection Well Reclassification Request

Donna,

That schedule would work fine.

Thank you for the update,

On Mon, May 15, 2017 at 7:43 AM, Ortiz, Donna <[ortiz.donna@epa.gov](mailto:ortiz.donna@epa.gov)> wrote:

Mr. DeWilde,

Thank you.

I expect to be able to review these by May 26<sup>th</sup>. It may take a while longer as there is always internal review, concurrence and administrative polishing. You may receive a Work Plan approval letter by mid-June, providing any comments I send are addressed quickly.

Best,

Donna

**From:** Sterling DeWilde [mailto:(b) (6)]  
**Sent:** Friday, May 12, 2017 4:50 PM  
**To:** Ortiz, Donna <[ortiz.donna@epa.gov](mailto:ortiz.donna@epa.gov)>  
**Cc:** Bear, Tonya (DEC) <[tonya.bear@alaska.gov](mailto:tonya.bear@alaska.gov)>; Rick Watson <(b) (6)>; Alan & Lizzie Skinner <(b) (6)>  
**Subject:** 3490 Koba Way Clas V Injection Well Reclassification Request

Donna,

On behalf of Richard K. Watson, President at Stepping Stone Builders, INC, we are submitting the attached Class V Well Reclassification request.

The hard copy originals have been mailed to you, today.

Please contact me if you have questions, comments, or concerns.

Thank you,

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Sterling DeWilde, E.I.T.

Sanitary Survey Inspector

*Fairbanks Water & Wastewater Consulting*

[\(907\) 371-0478](tel:9073710478)



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